

**INSTRUCTIONS
FORM F15a
ENGINES**

Department of Environmental Quality
Division of Air Quality
150 N. 1950 W.
Salt Lake City, UT 84116
Telephone (801) 536-4000

DAQ ID	For office use only.
Pt. Source ID	Provide the identification number the company associates with the process.
SCC	Enter the appropriate Source Classification Code (SCC). <i>See page 16 of the General Instructions for explanation.</i>
Source Description	Describe the source generating emissions, such as reciprocating driven IC engines, emergency backup power generators, turbine driven IC engines, external combustion engines, flares, etc.
Associated Stack ID	Provide ID number for the stack (will correspond to the ID on form F15b - Stack Information).
NSPS	If equipment is regulated under the New Source Performance Standards (NSPS), enter 'yes'. <i>The Approval Order conditions usually list any applicable NSPS equipment.</i>
Design Rate	List the maximum design output in 10 ⁶ BTU/hr. <i>Rate is usually listed on the equipment's nameplate.</i>
Power Rating	Rate the power generated in horse power. <i>Rate is usually listed on the equipment's nameplate.</i>
% Efficiency	Provide the engine efficiency information. <i>Efficiency is usually listed in the manufacturer's specifications.</i>
Fuel Type	State the type of fuel used in this unit, such as natural gas, diesel fuel, gasoline, etc.
Amount	Provide the total quantity of fuel used for the engine during the year.
Units/year	Provide appropriate units, i.e., gal./yr, ft ³ /yr, etc.
Heating Value	State the heating value of fuel consumed. <i>The heating value of specific fuels is listed in Appendix A of AP-42; see page 14 of the General Instructions for a link to AP-42.</i>
Units	Provide appropriate units for heating value of the fuel (BTU/gal, BTU/ft ³ , etc.) .
% Sulfur/% H ₂ S	State the percentage of sulfur and hydrogen sulfide in the natural

gas for natural gas sweetening. If possible, include the latest elemental gas analysis in mole percentage. *The sulfur content of various fuels is listed in Appendix A of AP-42; see emissions factors on page 14 of the General Instructions for a link to AP-42.*

Emission Control Code	See Table 5 on page 19 of the General Instructions for options.
% Collection Efficiency	Rate the emission control facility and state the efficiency. If none, so indicate.
Emissions	Calculate the emissions in tons per year. Provide complete calculations on a separate sheet.
Tons of Emissions from Breakdown	Determine what tonnage, if any, of the emissions listed was due to breakdown or maintenance of control facilities.
Estimate Code	Provide the method code for quantifying actual emissions of each pollutant. The valid method codes are listed in Table 6, page 25 of the General Instructions. If estimate code 8 (EPA Emission Factor) is used, also include the specific AP-42 section used in the Comments field.
Emission Factor	Provide the emission factors used in the calculations for each pollutant. <i>See page 16 of the General Instructions for information on emissions factors.</i>
Units	Units appropriate to the emissions factor used must be provided.